MAP EXPLANATION

LINEAR AND PLANAR FEATURES

	EXPLANATION
	(See accompanying text for complete descriptions)
Qaf Qd	Artificial fill. Dos Palos alluvium (early Holocene to modern) Divided into:
Qdt	Divided into: Fine- to coarse-grained, arkosic, terrace levee, point bar and abandoned channel deposits along the San Joaquin River and associated sloughs of Sierra Nevada
0.4	provenance deposits along the San
Qd _c	provenance.
Qdb	sloughs
Qd ₁ Qd _e	Areas of active eolian deposition of with
Qdm _b	Dos Palos alluvium and Modesto Formation (Marchand and Allwardt, 1981) floodbasin deposits undifferentiated (late Pleistocene to early Holocene)
	Patterson alluvium (early Holocene to modern) Divided into: Coarse-grained terrace and upper-fan deposits of Coast
Qp	Range provenance. Coarse-grained terrace and approvenance. Coarse-grained stream channel deposits of Coast Range
Qpc	provenance. Coarse to fine-grained mudflow deposits of Coast Range
Qp _m	provenance. Fine-grained middle and lower-fan deposits of Coast
Qps Qps	Range provenance. Patterson and San Luis Ranch alluvium undifferentiated (early
Qs	Holocene). San Luis Ranch alluvium (late Pleistocene and early Holocene) Upper member. Divided into:
Qsu	Principally coarse-grained terrace and sprovenance.
Qsum	. Coarse to fine-grained mudilow deposits of south
Qsuf	provenance. Fine-grained middle and lower-fan and floodplain deposits of Coast Range provenance. Fine to coarse-grained colluvial deposits of Coast Range
Qsuc	provenance.
Qsl	Principally coarse-grained terrace and upper-fan deposits of Coast Range provenance. Fine- to coarse-grained mudflow deposits of Coast Range
Qsl _m	provenance. Fine-grained middle and lower-fan deposits of Coast
Qsl ₁	Range provenance. Fine-to-coarse grained colluvial deposits of Coast Range
Qsl _c	provenance.
Qm	Modesto Formation (Marchand and Allwardt, 1981), upper member (late Pleistocene).
Qm	Divided into: Fine-grained, arkosic lower-fan deposits of Sierra
Qmb	Nevada provenance. Fine-grained arkosic, overbank deposits on the
Б	floodbasin of the San Joaquin River and associated sloughs of Sierra Nevada provenance.
Q1	Los Banos alluvium (middle and late Pleistocene) Principally coarse-grained terrace, pediment and upper-fan deposits of Coast Range provenance.
Qlu	Locally divided into: Upper Member
Qlm	Middle member
Q11 Q1 _s	lower member Original surface upon which Los Banos alluvium accumulated but has since been removed.
QTt	Tulare Formation (Upper Pliocene and Pleistocene)
be .	Fine to coarse-grained floodplain, alluvial-fan and terrace deposits derived principally from the central Diablo Range.
Tol	Oro Loma Formation of Briggs (1953) (late Miocene and early(?) Pliocene)
	Fine to coarse-grained floodplain and alluvial-fan deposits derived from the central Diablo Range. Locally contains lacustrine clay and silt near top.
Te	Carbona Formation of Pelletier (1951) (late Miocene and early(?) Pliocene).
Tvs	Valley Springs Formation (Bartow, 1981) (upper Oligocene and
Тр	sandstone of Poverty Flat (Collins, 1950) (upper Eocene and
Tk Td	Kreyenhagen Shale (Anderson, 1905) (middle and upper Eocene). Domengine Sandstone (Anderson, 1905) (middle Eocene) Least Fermation of Payne (1951) (Paleocene and lower
Tls	Laguna Seca Formation of Payne (1951) (Paleocene and lower Eocene). Tesla Formation (Huey, 1943) (Paleocene and lower Eocene).
Tt TKgv KJf	Great Valley Sequence (Cretaceous and early Paleogene (?)) Franciscan assemblage (late Jurassic(?) to Cretaceous).

Contacts Well constrained by field evidence. Poorly constrained due to inadequate field exposure or subsequent modification by agricultural practices. Approximately located due to gradational contact or concealed field exposure. Faults and Lineaments: - Fault, accurately located with geomorphic or geologic evidence of Quaternary displacement. Relative or apparent offset is noted. Fault trace poorly constrained; approximately located; probable Quaternary displacement. Fault trace concealed by surficial cover or geologic evidence of Quaternary displacement. Photo graphic lineament lacking geomorphic or geologic evidence of Quaternary displacement. *** Laminar-carbonate bearing soil developed on upper part of Tulare Formation in the Ortigalita Peak area (primarily Laguna Seca Ranch 7.5-minute quadrangle).

Local strike and dip of bedding.

CORRELATION OF MAP UNITS

